



PUBLICATION LIST ON POLYPLEX USE (1998 – June 2011)

2011.

[Positive emotional learning is regulated in the medial prefrontal cortex by GluN2B-containing NMDA receptors](#)

J. Burgdorf, R.A. Kroes, C. Weiss, M.M. Oh, J.F. Disterhoft, S.M. Brudzynski, J. Panksepp and J.R. Moskal

Neuroscience, 2011; Article in Press,

[Charge-dynamic polymers and delivery of anionic compounds.](#)

Inventors: Lynn, David M.; Miller, Adam D.

United States Patent Application 20110117138 A1; Publication Date: 19 May 2011

2010.

[Phosphoramidite activator for oligonucleotide synthesis.](#)

Inventor: Reddy, Kalakota S.

European Patent Application: EP1848730 B1; Publication Date: 24 March 2010

2009.

[Gene expression patterns in hypoxic and post-hypoxic adult rat retina with special reference to the NMDA receptor and its interactome.](#)

Lori Ann Crosson, Roger A. Kroes, Joseph R. Moskal, and Robert A. Linsenmeier

Molecular Vision, 2009; 15: 296–311; Epub. 9 February 2009.

[Oligonucleotide Synthesis: Orochem OT-850353 Plates](#)

Orochem Technologies

http://www.orochem.com/Products_Genomics_OligoSynthesis.aspx

[Oligonucleotide Probe Selection.](#)

Parallel Biological Systems, (Mass. General Hospital-Harvard Medical School-Boston University)

<http://pga.mgh.harvard.edu/Parabiosys/resources/microarrays/details.php>

[Oligonucleotide Synthesis and Purification Services](#)

Nucleic Resources

<http://www.nucleicresources.com/olig.html>

Product Details for GeneMachines PolyPlex.

Blue Lion Biotech

<http://www.bluelionbio.com/labequip.phtml?lab equip id=16&mode=detail&by category=by category&category id=20&search text=&search numb=>

Products: Genemachines PolyPlex

BST Scientific, Pte, Ltd.

<http://www.bstsci.com/product/91>

Research Technology Support Facility.

MSU Core Facilities.

<http://www.bch.msu.edu/facilities/facil.htm>

DNA / RNA Oligonucleotide Synthesizers.

BioAutomation (Comparative Table)

<http://www.bioautomation.com/Synthesizers-Synthesizer%20Comparison.html>

Falk center for Molecular Therapeutics.

Robert R. McCormick School of Engineering and Applied Science, Northwestern University

<http://falk.mccormick.northwestern.edu/research.html>

Atlantic Microarray Facility (France).

<http://www.atlanticcancer.ca/amf/>

2008.

SYSTEMS FOR IN VIVO SITE-DIRECTED MUTAGENESIS USING OLIGONUCLEOTIDES.

Inventors: Francesca Storici, Lysle Kevin Lewis, Michael A. Resnick

US Patent No.: US 7,314,712 B2; Date of Patent: 1 January 2008

Systematic Validation and Atomic Force Microscopy of Non-Covalent Short Oligonucleotide Barcode Microarrays.

Michael A. Cook, Chi-Kin Chan, Paul Jorgensen, Troy Ketela, Daniel So, Mike Tyers, Chi-Yip Ho
PLoS ONE, 6 February 2008; 3(2): e1546

Systematic Validation and Atomic Force Microscopy of Non-Covalent Short Oligonucleotide Barcode Microarrays

Michael A. Cook, Chi-Kin Chan, Paul Jorgensen, Troy Ketela, Daniel So, Mike Tyers, Chi-Yip Ho
PLoS ONE, 6 February 2008; 3(2): e1546

PHOSPHORAMIDITE ACTIVATOR FOR OLIGONUCLEOTIDE SYNTHESIS.

Inventor: Kalakota S. Reddy

Patent No.: US 7,339,052 B2; Filing date: 8 February 2005; Date of Patent: 4 March 2008;

2007.

DETECTION AND IDENTIFICATION OF ENTEROVIRUSES BY SEMI-NESTED AMPLIFICATION OF THE ENTEROVIRUS VP1 PROTEIN.

Inventors: William Allan Nix, M. Steven Oberste

Patent No.: US 7,247,457 B2; Filed: 26 April 2005; Date of Patent: 24 July 2007

DETECTION AND IDENTIFICATION OF ENTEROVIRUSES.

Inventors: William Allan Nix, M. Steven Oberste

Patent Application Publication No.: US 2007/0287148 A1; Pub. Date: 13 December 2007

Genomics and Proteomics Issue: Keck Foundation Biotechnology Resource Laboratory, Yale University.

Kathryn L. Stone, Robert D. Bjornson, Gregory G. Blasko, Can Bruce, Renee Cofrancesco, Nicholas J. Carriero, Christopher M. Colangelo, Janet K. Crawford, J. Myron Crawford, Nancy C. daSilva, Joseph D. Deluca, James I. Elliott, Margaret M. Elliott, P. John Flory, Ewa J. Folta-Stogniew, Erol Gulcicek, Yong Kong, TuKiet T. Lam, Ji Y. Lee, Aiping Lin, Mary B. LoPresti, Shrikant M. Mane, Walter J. McMurray, Irina R. Tikhonova, Sheila Westman, Nancy A. Williams, Terence L. Wu, Zhao Hongyu, and Kenneth R. Williams

Yale J Biology and Medicine, December 2007; 80(4): 195–211

2006.

Modeling depression: social dominance–submission gene expression patterns in rat neocortex.

Kroes RA, Panksepp J, Burgdorf J, Otto NJ, Moskal JR.

Neuroscience, 2006; 137(1): 37-49

METHODS OF MANIPULATING NUCLEIC ACIDS.

Inventors: Charlie Xiang, Michael J. Brownstein

Patent Application Publication No.: US 2006/0040283 A1; Pub. Date: 23 February 2006

REAL-TIME PCR MICRO ARRAY BASED ON EVANESCENT WAVE BIOSENSOR.

Inventor: Liang Xu

Patent Application Publication No.: US 2006/0088844 A1, Pub. Date: 27 April 2006;

DETECTION OF NUCLEIC ACIDS.

Inventors: Michael J. Brownstein, Charlie Xiang, Zhi-Qing Qi

Patent Application Publication No.: US 2006/0172325 A1; Pub. Date: 3 August 2006

2005.

Construction, verification and experimental use of two epitope-tagged collections of budding yeast strains.

Russell Howson, Won-Ki Huh, Sina Ghaemmaghami, James V. Falvo, Kiowa Bower, Archana Belle, Noah Dephoure, Dennis D. Wykoff, Jonathan S. Weissman and Erin K. O'Shea
Comparative and Functional Genomics, Spring 2005; 6(1-2): 2–16.

INHIBITOR OF DNA METHYLATION.

Inventors: Eric U Selker, Cindy B. Matsen, Peter A. Jones, Jonathan Cheng, Sheldon B. Greer, Victor E. Marquez
Patent Application Publication No.: US 2005/0119201 A1; Pub. Date: 2 June 2005

METHODS OF PRODUCING PHOSPHITYLATED COMPOUNDS

Inventors: Christian Werner, Frank Nerenz, Andreas Kanschik-Conradsen, Kalakota S. Reddy
Patent Application Publication No.: US 2005/0124804 A1; Pub. Date: 9 June 2005

MODIFIED RANDOM PRIMERS FOR PROBE LABELING.

Inventors: Charlie Xiang, Germantown, Michael J Brownstein
Patent Application Publication No.: US 2005/0221304 A1; Pub. Date: 6 October 2005

2004.

1159. The glycobiology of human malignant gliomas: A microarray analysis

Lori Crosson, Nigel Otto, Sarah Brennan, Verne Hulce, Roger Kroes and Joseph R. Moskal
Proc Amer Assoc Cancer Research, 2004; 45: 1159

2003.

Oligonucleotide synthesizer. (Editor's Choice).

Ernst, Stephen
Bioscience Technology, 1 February 2003;

P160-W. Synthesizing and Printing High-Quality Oligonucleotide Arrays.

D. Luk, A. Tuyet-Doan, V. Le, K. Gulyas, R. Guettler
ABRF '03: Translating Biology Using Proteomics and Functional Genomics, 10-13 February 2003; Denver, Colorado; Abstract

METHODS FOR LOW BACKGROUND CLONING OF DNA USING LONG OLIGONUCLEOTIDES.

Inventors: Ricardo Mancebo, Kenneth B. Beckman, Sepp Saljoughi
Patent Application Publication No.: US 2003/0044980 A1; Pub. Date: 6 March 2003;

Method and device for producing oligonucleotide arrays.

Jonathan Briggs
Patent Application Publication No.: US 2003/0068621 A1; Pub. Date: 10 April 2003;

Developments in microarray technologies.

David N. Howbrook, Anne M. van der Valk, Meg C. O'Shaughnessy, Dipak K. Sarker, Simon C. Baker and Andrew W. Lloyd
Drug Discovery Today, 15 July 2003; 8(14): 642-651

2002.

The core of DNA synthesis.

Sarah Goforth
The Scientist, 10 June 2002; 16(12): 43

GeneMachines Launches New XRC Option and Special Pricing Promotion For the PolyPlex DNA Synthesizer.

PR Newswire, 1 July 2002;

Chemical Synthesis of Oligonucleotides: From Dream to Automation.

Richard T. Pon.
In: *Artificial DNA: Methods and Applications* (Yury E. Khudyakov, Howard A. Fields Eds.) CRC Press, September 2002; p.1-70

Breaking the Bottleneck in Oligonucleotide Purification.

Doreen Pippen
American Genomic/Proteomic Technology, 2002

2001.

P18-T. Performance of high-speed oligonucleotide synthesizer in 96-well format.

D. Luk, A. Tuyet-Doan, S. Hall, J. Koh, R. Guettler
An International Symposium Sponsored by The Association of Biomolecular Resource Facilities, ABRF 2001: THE NEW BIOLOGY, Technologies for Resolving Macromolecular Communications; San Diego, California, 24-27 February 2001; Abstract.

Amplification of array material from model organisms - Yeast

Vishy Iyer
A Protocol from Molecular Cloning VI
<http://cat.ucsf.edu/pdfs/VishyYeastPCR.pdf>

Fully Automated Parallel Oligonucleotide Synthesizer.

Lebl, Michal; Burger, Christine; Ellman, Brett; Heiner, David; Ibrahim, Georges; Jones, Aaron; Nibbe, Mark; Thompson, Jaylynn; Mudra, Petr; Pokorný, Vít; Poncar, Pavel; Ženíšek, Karel
Collection of Czechoslovak Chemical Communications, August 2001; 66(8):1299-1314

GeneMachines.

Paul Bucher
Bucher Biotec Update, 1 August 2001; 1-4

2000.

Suite Dreams.

Bob Sinclair

The Scientist, 24 January 2000; 14(2): 22

Automation for genomics, part one: preparation for sequencing.

Deirdre Meldrum

Genome Research, August 2000; 10(8): 1081-1092